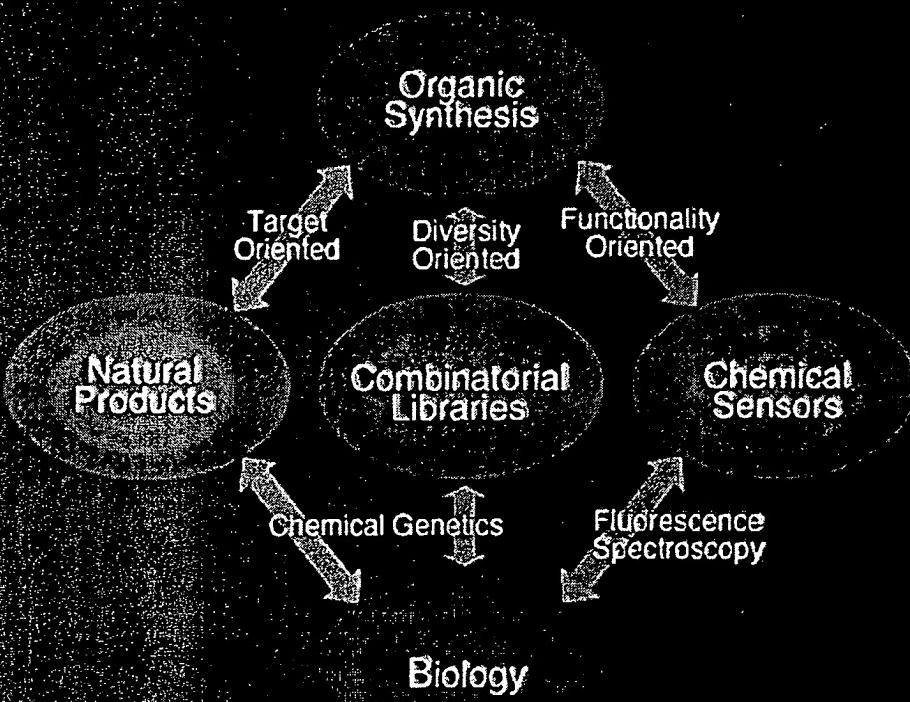


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Research in the Koide group is comprised of several interdisciplinary projects. Each project utilizes a combination of chemical and biological solutions to solve a complex problem. This true interdisciplinarity is the strength of our group and the wide array of projects we have undertaken shows this.

Below is a schematic diagram displaying our research interests, click on a project to learn more.



FR Project Fluorescence Project Combinatorial Synthesis



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Synthetic Studies of Combinatorial Libraries Aimed at Regulating Gene Expression

We have designed small molecule libraries with novel framework mimicking the functional alpha-helix domains of proteins. These molecules are as complex and rigid as biologically active natural products. Once synthesized, these library compounds will be screened to identify regulators of gene expression at various levels such as transcription, translation, nuclear transport, and RNA processing.



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